

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/11856

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> C07F7/21, C08F4/40, C08G77/38, 77/442

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> C07F7/21, C08F4/40, C08G77/38, 77/442

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CA (STN), REGISTRY (STN)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 01/10871 A1 (HYBRID PLASTICS), 15 February, 2001 (15.02.01), Full text; particularly, page 4 & AU 200065244 A & EP 1208105 A1 & KR 2002059354 A & CN 1377361 A & JP 2003-510337 A	1-49
Y	WO 00/76634 A1 (GAS SEPARATION TECHNOLOGY, INC.), 21 December, 2000 (21.12.00), Full text; particularly, page 15 & AU 200058695 A & EP 1202791 A1 & US 6425936 B1 & US 2003/0033931 A1 & US 6558455 B2	1-49

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;"

document member of the same patent family

Date of the actual completion of the international search  
11 November, 2003 (11.11.03)Date of mailing of the international search report  
02 December, 2003 (02.12.03)Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2-67290 A (Akademie der Wissenschaften der DDR), 07 March, 1990 (07.03.90), Full text & EP 348705 A & DD 281603 A & DD 281604 A & DD 281608 A	1-49
P, X	WO 03/052014 A1 (CREAVIS GESELLSCHAFT FUR TECHNOLOGIE UND INNOVATION MBH.), 26 June, 2003 (26.06.03), Full text; particularly, page 39 & DE 10249453 A1	1
A	WO 02/059208 A1 (Asahi Kasei Corp.), 01 August, 2002 (01.08.02), Full text (Family: none)	1-49
A	WO 01/46295 A1 (HYBRID PLASTICS), 28 June, 2001 (28.06.01), Full text & AU 200129109 A	1-49